

# FOLIO

University of Alberta

13 February 1986



Bonnie Kerr

## Arts Building Object of Board's Affection

The state of the Arts Building was discussed at last Friday's meeting of the Board of Governors. The Building Committee asked for and got \$9,700,000 for renovations to and restoration of the 71-year-old edifice. The committee then stated that central administration has been requested to bring forward proposals regarding the feasibility of starting construction this year.

All rolled up in the renovations budget estimate are sums for planning and development, land and land improvement, consultants, construction, commissioning, equipment and furnishings and contingency.

At has been office and classroom space will remain office and classroom space but with the addition of "desirable modern features that do not affect the original architecture." The ventilation system, the Board was told, is in dire need of such features.

The life expectancy of the renovated Arts Building is 75 to 125 years.

The Building Committee reported for information that it had approved funds not to exceed \$150,000 for renovations in Garneau School. A day care facility, the impetus for which was supplied by the President's Interim Advisory Committee on Women's Issues, will be built in the school.

The latest news on the Earth Sciences Building is that all of the north and south surfaces and parts of the east and west faces will be re-faced. Existing brick vertical surfaces, exclusive of horizontal spandrels between windows, will stay as they are. The building's re-opening is scheduled for May 1987.

A proposal for a Co-operative Education Program in Computer Engineering was given the green light, but then the amber light reading "subject to the availability of an appropriate level of funding" flashed. The total operating costs of the program during its initial five-year period are estimated to be \$4,523,410.

The proposed program would complement existing programs in Chemical, Electrical, Mineral, Mechanical and Civil Engineering. It would be a quota program (30 students) with entry at the second-year level.

Engineering students would be given an opportunity to obtain industrial experience that would complement their academic studies.

Cooperative education is a process of education which formally integrates the student's academic study with work experience in co-operative employer organizations. The usual plan is for the student to alternate periods of work experience in appropriate fields of business, industry, government and the professions with periods of study.

### Other Matters

In his report to the Governors,

President Horowitz announced that Doris Badir, Dean of Home Economics, will become his special assistant on equity concerns. The position is for an initial two-year term, on a part-time basis. Mrs. Badir will report directly to the President. She has been Dean of Home Economics for 10 years and will take up her new duties when she leaves that office at the end of June.

The Board approved the Operating Budget Principles and Policies, 1986-87.

Chancellor Savaryn stated that the Search Committee for a Chancellor will make a report at the 28 February meeting of Senate. Mr. Savaryn's term expires on 30 June.



Bill Milnthorp

### New Members

Bonnie Kerr, P.W. (Bill) Milnthorp, H.J.S. (Sandy) Pearson, and E.R. (Ed) Wachowich, Q.C., have been appointed to the Board of Governors.

Mrs. Kerr, an Account Executive with Merrill Lynch Canada, Inc. in Edmonton, is a Senate representative to the Board. An alumna of this University, she has an extensive educational and professional background in finance. She holds Canadian and General Securities Diplomas and Canadian Options Certification, and has taught investment and Canadian Securities courses at a number of community colleges in the province. Prior to her appointment with Merrill Lynch Canada Inc., Mrs. Kerr was an Account Executive with Richardson Greenshields. She was campaign manager for Premier Don Getty in 1985. Mrs. Kerr's appointment to the Board extends until 30 June 1988.

Mr. Milnthorp is a public representative to the Board. His term runs until 15 January 1989. He

is principal of Centennial Elementary School in Wetaskiwin and has been a teacher or administrator in the Wetaskiwin School District #264 since 1961. Mr. Milnthorp obtained his BED and MEd degrees from this University. Long interested in community affairs (Kinsmen, the United Church, the recreation scene), Mr. Milnthorp has also been visible on such educational councils as GERCSEA, the Social Studies Inservice Project and local ATA Councils.

Mr. Pearson is a native Edmontonian who is Chairman and Chief Executive Officer of Century Sales & Service Ltd. in Edmonton. He is also Vice-Chairman of NOVA An Alberta Corporation, and is a director of Mutual Life Assurance Co. of Canada, TransAlta Utilities Corp., Prudential Steel Ltd., Alberta Gas Ethelene Ltd., NOVACOR Chemicals Ltd., and NOVA Energy Systems Inc. Mr. Pearson serves as Chairman of the Bishops Men of Edmonton and as a director of the Council for Canadian Unity, the Royal Winnipeg Ballet, and Ducks Unlimited Canada Ltd. He is a

## Contents

- Gough, Hinings, Lozowski, and Sehgal: McCalla Professors all
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- CITL reaches out





Sandy Pearson

member of the Advisory Board of the University's Business Faculty. Mr. Pearson will serve on the Board of Governors until 15 October 1988.

Mr. Wachowich, a partner in the Edmonton law firm Wachowich & Company, sits on the Board as an Alumni Association representative. He graduated from the University's Law Faculty in 1954 and was admitted to the Alberta Bar the following year. He has been President of a number of



Ed Wachowich

organizations, including the Edmonton Bar Association, Knights of Columbus Edmonton Council 1184, St. Andrews Housing Ltd., Project Century Ltd., and the University of Alberta Alumni Association. He is currently President of the Alberta Catholic Hospitals Foundation. Mr. Wachowich was recently appointed a Judge to the Alberta Court of Queen's Bench. His membership on the Board extends to 23 October 1988. □

## McCalla Professorship Committee Likes What It Sees in Four Applications

Congratulatory letters have been sent, hands have been pumped and the future (1986-87) is rosy. Research awaits. For Dennis Gough, Christopher Hinings, Edward Lozowski and S. Sehgal—the newest McCalla Professors—that means a favorite or pressing project(s) in the respective disciplines of physics, business, geography and mathematics.

Dr. Gough is occupied with three areas of research: the EM-SLAB Project ("the largest experiment in electromagnetic (EM) sounding ever undertaken on the Earth"), studies of conductive structures in Western Canada and preparation for the 1987 IUGG (International Union of Geodesy and Geophysics) General Assembly in Vancouver.

The Professor of Physics and former Director of the Institute of Earth and Planetary Physics, sees the Professorship as "an enormous help in these three tasks."

The objective of the EMSLAB Project is to make EM soundings through lithosphere and asthenosphere, under the complete suite of plate tectonic structures (ridge, oceanic plate, subduction and the back-arc volcanic belt, including Mount St Helen's).

An EM "Portrait" will, says Dr. Gough, add greatly to the existing information and may be even more revealing.

A founding member of the EM-SLAB group, Dr. Gough's research group has direct responsibility for the northern half of the land array.

Data were recorded last summer and Dr. Gough and his colleagues are facing the task of data processing and interpretation.

The second part of his research pertains to the discovery and study of conductive structures in the crust and upper mantle, beneath the Rocky Mountains and much of southern B.C. A potential for geothermal energy exists and Dr. Gough intends to concentrate on this program in tandem with the EMSLAB project.

"It is essential that the (IUGG) Assembly be a credit to Canada," Dr. Gough states. The McCalla Professorship will allow him, as President of the International Association of Geomagnetism and Aeronomy (IAGA), the largest of the seven international bodies which make up IUGG, to devote time to the organization of the general assembly.

### Christopher Hinings

The changing patterns and practices of management will be the focus of Christopher Hinings' McCalla Professorship. Professor Hinings is currently Director of the Centre for the Management of Human Resources in the Faculty of Business.

According to Professor Hinings, "there is a paucity of work, theoretically and empirically, on change in organizations. Yet," he adds, "the pace of organizational change has quickened over the past few years in response to economic recession, market shifts and new technology."

The aim of his research is to describe and understand types of change and the process of change in organizational structures and management systems in a set of Edmonton organizations. Professor Hinings feels that the management of organizational change, transformations and transitions has become crucial and recent work suggests that such transitions are usually undermanaged. However, work has been developing which takes change as a natural phenomena and which attempts to develop concepts and theories about the process of macro-organizational change. Professor Hinings intends "to take this work forward and establish systematic material for a set of Canadian organizations in particular."

The study of change as a natural phenomenon is important from a management point of view, as well as an academic one, he says. Change is undermanaged by managers according to Professor Hinings and it's because of our relative lack of understanding of how regular, on-going change in organizations takes place. He suggests that managers need to be aware of such processes because strategic rethinking is having to take place more and more due to changing technologies, the search for new management practices and the need to cope with new trading situations.

Next Week

Edward Lozowski  
and  
S.K. Sehgal

## FOLIO

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Public Affairs produces *Folio* on a regular basis for the staff and other interested persons.



University  
of  
Alberta

### Deadlines:

Notices of coming events: 9 a.m. three weeks in advance of desired publication date.

Classified advertisements: 3 p.m. one week in advance of desired publication date. This date also serves as the deadline for cancellation of advertisements. Advertisements cost 30¢ per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission. Display advertisements: 3 p.m. one week in advance of desired publication date. Contact Public Affairs for sizes, rates and other particulars.

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## President's Advisory Committee on Sexual Harassment (PACSH)

A committee on sexual harassment (PACSH) was formed by the President in 1982 to deal with complaints of sexual harassment on our campus. Since October 1982 PACSH has received some 30 complaints of sexual harassment. Most of these problems have been resolved informally, with the help of a PACSH member. PACSH consists of 17 people representing the four constituent campus groups—undergraduates, non-academic staff, graduate students, and academic staff. Any of our nine full-time members can be reached through PACSH's administrative office (2-1C University Hall) by dialing

### 432-TALK:

#### Undergraduate Students

Mladen Rajhard  
Marguerite Storbo

#### Non-academic Staff

Reg Savard  
Helen Hawkes

#### Graduate Students

Pat Valentine  
Dana Dolsen

#### Academic Staff

Anne McLellan (Chairman)  
Vern Nyberg

Dianne Kieren

#### Coordinator

Ellen Solomon

## Researchers Invited to Take the High (Technology) Road

Larry Hench and Irene Wilson-Hench of the University of Florida, Gainesville, will visit our University on 24 and 25 February.

Larry Hench has developed and patented low temperature processes for manufacturing glass, ceramics and ceramic composites; Irene Wilson-Hench is co-developer of Bioglass, a synthetic material used for bone replacement and inner ear and dental implant surgery.

Two speaking sessions have been scheduled for 25 February at the Stollery Executive Development Centre, fifth floor, Business Building. At the 10 a.m. to noon session there will be a presentation titled "Overview and Commercialization Potential of High Technology Glasses and Ceramics." The development and commercialization of bioactive prosthetic implants, technology

transfer costs, market projections, and a generalized 15-year forecast are also on the agenda.

A technical session will be held from 2:30 to 4:30 p.m. at the same location. Topics to be covered will include low temperature sol-gel processing of glasses, ceramics and composites; photonic materials; computer-aided processing; research and development of a new class of sol-gel derived materials for industry, defence, health sciences, etc. emphasizing toxicology and biocompatibility.

Interested researchers are encouraged to attend the sessions and to participate in the ensuing discussions.

The visit of the Hanches is sponsored by Alberta Economic Development and the University of Alberta. □

## CITL Explores Cooperative Ventures

For the past several months a small group of individuals from different post-secondary educational institutions has explored ways of coming together to prevent, as one person put it, "a continuous rediscovery of the wheel."

Bente Roed Cochran, Coordinator of the Committee for the Improvement of Teaching and Learning (CITL), has been actively involved in meeting with her counterparts at Athabasca University, Alberta Vocational Centre, Concordia College, Grant MacEwan Community College, King's College, and NAIT. The aims of the small and informal network are to share knowledge and expertise and to explore avenues for cost-effective cooperative ventures. The group does not consider itself exclusive and would welcome input from other Alberta post-secondary educational institutions.

Some of the first tangible outcomes of the cooperative ventures have been to notify faculty in the various institutions of current and future workshops and seminars directed at improving teaching and learning. CITL has had positive feedback to its program in that faculty members from Concordia College, Grant MacEwan Community College, and NAIT have attended its sessions.

Grant MacEwan Community College is extending invitations to University of Alberta faculty to at-

tend one or more of the following sessions:

"Can Thinking Be Taught?" 20-21 February, (two-day all-day session).

"Into Aging—A Simulation Game", 20 February (afternoon), or 21 February (morning).

"Living Creatively", 20 February (morning), or 20 February (afternoon).

"Focus on Excellence", 20 February (all-day session).

"Dealing with Neurotic Behaviour in Self and Others", 21 February (all-day session).

"Introductory CML Workshop", 20 February (afternoon session), or 21 February (morning session).

"Stress Management for Human Service Workers", 17-18 February, (two-day all-day session).

The resource person for the first session, "Can Thinking Be Taught?" is Fred Rosenzweig, who is also leading a public session on 22 February (all-day). The session is described as follows: "Developing Lateral Thinking and Creative Problem Solving," Edward de Bono's CoRT IV Program with Professor Fred Rosenzweig.

Why do some people always seem to have new ideas while others of equal intelligence never do? Logical thinking, exalted in our culture as the most effective use of the mind, can be our major obstacle to creativity.

Creativity—is it something you're

born with, or can it be learned? Is the creative person somehow blessed with mysterious flashes of inspiration that suddenly appear from "the blue"? Can new approaches to solving problems—generating and evaluating alternatives—actively be taught, or have they been suppressed forever by our traditional learning systems?

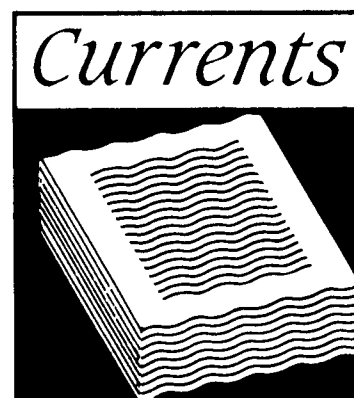
There is increasing evidence that creative thinking and problem-solving abilities can indeed be improved. Edward de Bono of Cambridge University has an international reputation for his original work on creative processes and also for originating the term "lateral thinking".

In the CoRT IV program, he has developed specific and effective lessons for developing creative thinking skills. These have been used at all levels, from elementary school to senior corporate management. This seminar will show you how to think creatively.

Fred Rosenzweig is a management and educational trainer and consultant. He is currently a faculty member at Dawson College, Montreal, and has lectured at McGill and Concordia Universities. He has studied with Dr. de Bono and has developed highly successful seminars in thinking skills and creativity in management and education.

The Faculty Development Office

at Grant MacEwan Community College has extended invitations to faculty at this University regarding the preceding workshop. For further information and/or registration forms, contact Bente Roed Cochran, Coordinator, CITL, 612 SUB, telephone 432-2826. □



### Former Vice-President to be Honored

Following the unveiling of a plaque in room 222 naming the University Services Building in honor of former Vice-President (Facilities and Services) Ron Phillips, at 3 p.m., an informal reception will be held on 14 February from 3:15 to 5 p.m. in the Banquet Room, Lister Hall. Friends of Mr. Phillips and all Physical Plant personnel are cordially invited to attend both the ceremony and the reception on 14 February.

## Computing Science Open House

Computing Science will hold Open House '86 on Saturday, 22 February. The event is scheduled for 11 a.m. to 5 p.m. on the second floor, General Services Building.

## Children's Drama Project

The University/Community Children's Drama Project (for 7-10 year olds) is being offered Wednesdays, 4:30 to 5:30 p.m., from 12 February to 7 May. To register, call Mrs. Kozub, 432-0430.

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## Talks

### Mathematics

13 February, 4 p.m. D.J. Jones, National Research Council, Ottawa, "Some CFD Studies at De Havilland, Canada and the National Aeronautical Establishment (NAE)." 657 CAB.

20 February, 4 p.m. Norman R. Reilly, Simon Fraser University, "Groups Endowed with Lattice Structure." 657 CAB.

### Comparative Literature

14 February, 3 p.m. Sonja Arntzen, "Buddhist Themes in Classical Japanese Poetry: The Question of Allegory." Senate Chamber, Arts Building.

28 February, 3 p.m. William Beard, "Some Aspects of Popular Cinema." Senate Chamber, Arts Building.

### Medicine

14 February, 3 p.m. Tomas Reader, Department de Physiologie, Université de Montréal, "Adrenergic Receptors in Cerebral Cortex; Electrophysiological and Biochemical Aspects." 9-68 Medical Sciences Building.

### Alberta Heritage Foundation for Medical Research

14 February, 3 p.m. R.P. Millar, Department of Chemical Pathology, University of Cape Town Medical School, "Diversity of GnRH Actions in Pituitary and Extra Pituitary Tissues." 2F1.04 (Classroom D), Mackenzie Health Sciences Centre.

### Zoology

14 February, 3:30 p.m. John C. Avise, Department of Molecular and Population Genetics, University of Georgia, "Mitochondrial DNA and the Evolutionary Genetics of Higher Animals." M-149 Biological Sciences Building.

### Slavic and East European Studies

14 February, 3:30 p.m. Annual Shevchenko Colloquy with guest speakers from the Ukrainian Soviet Socialist Republic—Vasyl' Borodin, Svitlana Iarmolenko and Roman Lubkiv'skyi. Lectures in Ukrainian. 776 General Services Building.

24 February, 3 p.m. O. Zujewskyy, "Expressionism in the Works of Andreiev." 776 General Services Building.

### Women's Program

14 February, 7:30 p.m. Lisa Avedon, University of Toronto, presentation and slide-show, "Forward Looking Strategies. The Nairobi Conference. Where Do We Go From Here?" 2-115 Education North.

26 February, 7:30 p.m. Myrna Kostash, "A Teenage Girl: Who Does She Think She Is?" 129 Education South.

### Canadian Institute of Ukrainian Studies

21 February, 7:30 p.m. Andrij Hornjatkevych, "The Language of Kotliarevsky's 'Eneida' from a Computer Perspective" (in Ukrainian). Heritage Lounge, Athabasca Hall.

### Plant Science

24 February, 1 p.m. Robert Hornford, "The Effect of Tillage and Cropping Systems on the Potential Weed Flora." 1-06 Agriculture-Forestry Centre.

26 February, 1 p.m. Larry Gusta, Crop Development Centre, University of Saskatchewan, "The Limitations of Cold on Crop Production in Western Canada." 1-06 Agriculture-Forestry Centre.

### English

24 February, noon. Poet Don McKay will read from his works. L-3 Humanities Centre.

24 February, 4 p.m. Brent MacLaine, "Fleeing the Centre: Exploding the Text in *Gravity's Rainbow*." 5-20 Humanities Centre.

### Canadian Society of Environmental Biologists (Alberta Chapter)

24 February, 5:30 p.m. Jennifer McQuaide-Cook, Corporate Planner, Alberta Special Waste Management Corporation, "Technological Aspects of Hazardous Waste Management." CW-410 Biological Sciences Centre.

### CITL

25 February, 2 p.m. Michael Gibbins, Director, Centre for the Advancement of Professional Accounting Education, "Curriculum Development in a Large Lecture Section: Happy But Wiser!" TB-W2 Tory Building.

26 February, 1 p.m. Roger Dugas, "Time Savers—Time Management." 5-04 Business Building.

27 February, 10 a.m. Robyn Mott and Lois Marckworth Stanford, "Teaching Dossier." TB-W2 Tory Building.

### Classics

25 February, 3:30 p.m. P. Vivante, McGill University, "Homer's Sense of Time." 1-8 Humanities Centre.

26 February, 11 a.m. P. Vivante, "Homer's Sense of Time." 1-7 Humanities Centre.

### Forest Science

26 February, noon. P.B. Milimo, "Embryo Covers and Germination in *Melia Volkensii* Gurke. Seeds." 4-1 Mechanical Engineering Building.

### Botany

26 February, 4 p.m. Dennis Gignac, "The Effects of Metal Contamination on Peatlands Near Sudbury, Ontario." M-149 Biological Sciences Centre.

### Music

27 February, 11 a.m. Gregory Butler, "J.S. Bach and the Concord-Discord Paradox." 2-15 Fine Arts Building.

27 February, 3:30 p.m. Gregory Butler, "Music and the *Ars Inveniendi* in the Late Baroque." 2-34 Fine Arts Building.

### Limnology and Fisheries Discussion Group

27 February, noon. Ed McCauley, University of Calgary, "Fluctuations,

Oscillations, and Stability of Natural Predator-Prey Systems." G-217 Biological Sciences Centre.

### Soil Science

27 February, 12:30 p.m. R.P. Innes, Stanley Associates Engineering, "Requirements for Field Soil Investigations for New Developments and Contaminant Cleanup." 281 CAB.

### Centre for the Study of Mental Retardation

27 February, 12:30 p.m. John Kirby, University of Newcastle, New South Wales, Australia, "Reading Differences in Children." P-121 Biological Sciences Centre.

### Entomology

27 February, 4 p.m. Alec McClay, Alberta Environmental Centre, Vegreville, "Biological Control of Weeds, in Theory and Practice." TB-W1 Tory Building.

### Economics

27 February, 3:30 p.m. Robert Halvorsen, University of Washington, "Testing for the Efficiency of Extraction of Non-Renewable Resources." 8-22 Tory Building.

### Advisory Committee on Women's Studies

27 February, 3:30 p.m. Catharine Stimpson, "The Meanings of Feminist Criticism." Co-sponsored by the Faculty of Arts Women's Studies Lecture Series Committee. L-1 Humanities Centre.

### Centre for Gerontology

28 February, noon. Alan Dobbs, "Time Course of Memory and Cognitive Changes in Alzheimer's Patients." Classroom F, Mackenzie Health Sciences Centre.

## Films

### Germanic Languages

26 February, 7:30 p.m. "Flüchtlinge" (1933). Admission free. Arts 17.

## The Arts

### Ring House Gallery

Until 16 March. "Rituals/Systems"—the work of five Alberta artists.

### Bruce Peel Special Collections

Until 30 April. "From Impressionism to Surrealism"—European artists as represented in coffee table books and catalogues raisonnés.

Until 30 April. "Sketches in the Canada"—23 hand-colored lithographic plates, sumptuously produced by Coke Smyth in 1842. This rare portfolio is the most sought after volume of plates published on Canada.

### Musicians' Chamber Music Appreciation Society

13 February, 8 p.m. The Debut String Quartet and Janet Scott-Hoyt, pianist. Convocation Hall.

### SUB Theatre

14 February, 8 p.m. Yardbird Productions presents "Doc Watson." 433-4763.

15 February, 8 p.m. "Clue" (1985).  
16 February, 8 p.m. "National Lampoon's—European Vacation" (1985).  
21 February, 8 p.m. "Pee-Wee's Big Adventure" (1985).  
22 February, 7:30 p.m. Chinese Students' Association presents "China Night." Contact the CSA Office, 030 U SUB, for tickets and information.  
23 February, 8 p.m. "To Live and Die in L.A." (1985).  
27 February, 7:30 p.m., 8:15 p.m. and 9 p.m. CBC "Front Page Challenge"—live TV taping. Free tickets, 469-2321.  
28 February and 1 March, 8 p.m. "Dance Extravaganza '86." Edaas, 424-0353.

### Edmonton Film Society

17 February, 8 p.m. International Series—"Medea" (Italy). TL-11 Tory Lecture Theatre.  
24 February, 8 p.m. "A Nos Amours" (France). TL-11 Tory Lecture Theatre.

### Courtyard Concert Series

27 February, 12:15 p.m. Cheryl Charuk, vocalist. Fourth Level East Atrium, Mackenzie Health Sciences Centre.

### Music

27 February, 8 p.m. Senior Student Rectial—Sandra Butner, flute. Convocation Hall.

## Broadcasts

### Radio

Programs broadcast on CKUA radio 580 AM and 94.9 FM.

15 February, 7 p.m. "University Concert Hall."

22 February, 7 p.m. "University Concert Hall."

Programs broadcast on CJSR radio 88.1 FM.

16 February, 10:20 a.m. "Paper Tygers—On Publishing and Publishers."

23 February, 10:20 a.m. Science Digest—Ethology.

## Sports

14 February, 6:45 p.m. Basketball—Pandas vs. University of Lethbridge.

14 February, 7:30 p.m. Hockey—Bears vs. University of Saskatchewan.

14 February, 8:30 p.m. Basketball—Bears vs. University of Lethbridge.

15 February, 6:45 p.m. Basketball—Pandas vs. University of Calgary.

15 February, 7:30 p.m. Hockey—Bears vs. University of Saskatchewan.

15 February, 8:30 p.m. Basketball—Bears vs. University of Calgary.

21 to 23 February. Swimming—CWUAA Conference Championships.

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## Award Opportunities

### Maimie S. Simpson Memorial Scholarship

The scholarship, to be presented for the seventh time in 1986, is in the amount of \$1,500. It will be presented by the Alumni Association to a full-time student who has attended the University of Alberta for at least the two previous years.



#### Criteria

1. The basis for selection will be the student's contribution to campus life and to the University of Alberta community.
2. The student must have a satisfactory academic standing and plan to continue studies at the University of Alberta.

Application forms and further information may be obtained from: University of Alberta, Alumni Affairs Office, 430 Athabasca Hall. Telephone: 432-3224.

#### Rotary Foundation Graduate Scholarships

**Donor:** The Rotary Foundation of Rotary International. **Where tenable:** A country in which there are Rotary clubs, but not in the country of the sponsoring Rotary club. **Level:** Post-graduate. **Field:** Open. **Value:** Round-trip transportation between scholar's home and study city, all required academic fees, some necessary educational supplies, on-campus double-occupancy room, on-campus board, limited educational travel and limited contingency expenses. **Number:** Not specified. **Duration:** One academic year (usually nine months). Not renewable. **Conditions:** Must complete a Bachelor's degree or equivalent before commencement of scholarship duties; age as of 1 October 1985 is 18 through 30 inclusive; may be married but spouse's

expenses not paid; proficiency in native language of host country; citizen of a country in which there is a Rotary club; cannot accept additional funding without approval by the Rotary Foundation; cannot accept full-time employment in host country. **Closing date:** 1 March to 1 October (check with local Rotary club for applicable closing date). **Further information and application forms should be requested from:** Rotary Club of Edmonton, Room 403, Chateau Lacombe, 101 Street, Bellamy Hill, Edmonton, Alberta T5J 1N7. Telephone: 426-4355.

#### Surplus Equipment

The equipment appearing in this column is available only to University departments with University-administered funds. For more information, telephone Jody Brookwell or Roy Bennett, 432-3208.

Wanted: (1) Biorad Protean I Vertical Gel Electrophoresis Chamber with accessories or:  
(1) Hoeffer SE600  
Bruno Maranda, SMRI, 432-3375.  
(1) Fridge  
Werner Larsen, Physical Plant, 432-5224.

Chris, 436-5250, 433-5664. Spencer's. Sale - 160 acres, \$25,900. Close to Long Lake. Good fishing. Ask for Chris or Pat, 436-5250, 437-6540. Spencer's. Sale - Windsor Park. Exclusive. Tall trees, charming bungalow on big lot. Ask for Pat von Borstel, 436-5250, Spencer's. 437-6540 res.

Sale - Grandview. Spacious, brick bungalow on quiet crescent. South back yard. Beautiful, big trees. New exclusive listing. Ask for Pat von Borstel, 436-5250, Spencer's. 437-6540 res.

Rent - Mountain chalet. Ideal for up to six persons. Kitchen, hot tub, excellent dining room nearby. By day or week. Overlooking Jasper Park Gate. 435-6504.

Rent - 108 St. 82 Ave. 750 sq. ft., two-floor office space. Ready to move in, very reasonable. Call Goetz, 439-0035. Crescent Realty.

For sale - Belgravia, new listing! Immaculate, two-bedroom bungalow. Fantastic location, hardwood floors, dining room. Asking \$90,000. Ed Lastiwka, LePage, 437-7480, 437-4984.

For sale - Belgravia. Four-bedroom semi. Super location. Fireplace. Asking \$88,500. Ed Lastiwka, LePage, 437-7480, 437-4984.

For sale - Belgravia. Spacious, three-bedroom bungalow. Main floor family room, excellent location. Asking \$109,500. Ed Lastiwka, LePage, 437-7480, 437-4984.

Rent - One-bedroom apartment in older duplex home. Downtown, garage, laundry. \$350 month plus utilities. 424-1676 evenings.

For rent - Aspen Gardens. Four-bedroom house. May-mid July. \$600/month. 432-2989.

For rent - July 1986-June 1987. Three bedrooms, garage, fenced, furnished. \$650/month. (413) 465-3740. 9011 92 St.

Sale - Five bedrooms, 3 1/2 baths on three acres. Beautifully landscaped and decorated. Four minutes south of Millwoods Hospital, 25 minutes to University. 1,800' plus finished

basement. Heated garage. \$185,000. 988-5127.

#### Accommodations wanted

Psychology professor requires house for approximately one year period from 1 August 1986. Phone (403) 343-0645 after 6 p.m.

#### Automobiles and others

1982 Dodge Challenger (imported from Japan), 35,000 miles, 35 mpg, \$5,900. Phone 439-5330.

#### Goods for sale

Cash paid for used appliances. 432-0272. Genuine, 100-year-old, lovely, solid oak, family dining table. \$880. 433-1716.

Good selection of new and used typewriters from \$99. Mark 9, HUB Mall. 432-7936.

Furniture of all kinds, with major antique items. Small, old house for lake lot. Plus gas heaters. Call 439-3531.

For sale - History published by the U.K. Historical Association. Nos. 116-230 complete 1947-1985. Call 483-5486.

Books bought and sold—The Edmonton Book Store in HUB Mall will pay cash for book collections and individual, rare items. Appraisals available. Open seven days a week. 433-1781.

#### Services

Donnic Word Processing. Specializing in theses, manuscripts, etc. 8315A 105 St. 432-1419.

Backaches? Stress tension? Special therapy at Back-Basics (supplementary health care reimburses treatment costs). Maria Krieg is a spine specialist, university-trained in Düsseldorf. 11610 75 Avenue. 436-8059.

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#### Academic

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Applications are invited for a full-time tenure-track position in the Faculty of Library Science at the Assistant Professor level (\$30,316 to \$43,780) or the Associate Professor level (\$38,170-\$55,450) depending on qualifications.

Expertise is being sought primarily in the field of children's/young adult librarianship, but capacity in other areas will be considered. The position involves liaison with early childhood/school library programs in the Faculty of Education. Teaching duties are expected to commence in the 1986-87 academic year.

A library science degree and a doctorate (or progress towards an advanced degree) are required. Preference will be given to applicants with working/teaching experience in the children's/YA field as well as indications of professional leadership, research and publication.

Curriculum vitae and names of at least three referees should be forwarded by 5 May 1986 to the Dean, Faculty of Library Science, 3-20 Rutherford South, University of Alberta, Edmonton, Alberta T6G 2J4.

#### Non-Academic

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. These vacancies

cannot be guaranteed beyond 7 February 1986.

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Biology Technician I (Trust), Soil Sciences, (\$1,534-\$1,968)  
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Accounting Assistant, Housing and Food Services, (\$1,888-\$2,437)  
Administrative Assistant I, Linguistics, (\$1,888-\$2,437)  
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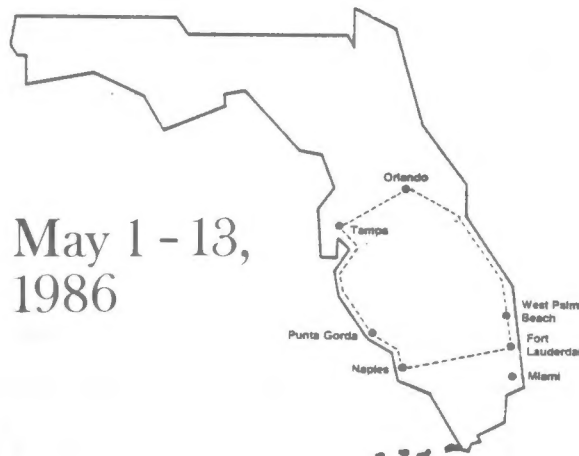
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**Application Deadline: February 22, 1986**